

CLAIMS

We claim:

1. An electronic device with a camera arranged and constructed for taking pictures from multiple directions with respect to the electronic device comprising:
 - a case;
 - a moveable assembly moveably coupled to the case, the moveable assembly being moveable between a first position and a second position; and
 - a camera coupled to one of the case and the moveable assembly;whereby when the moveable assembly is in the first position light entering from a first angle relative to the electronic device strikes the camera and when the moveable assembly is in the second position light entering from a second angle relative to the electronic device strikes the camera.
- 10 2. The electronic device of claim 1 wherein the moveable assembly further comprises:
 - a first panel for covering a first aperture in the case;
 - a second panel for covering a second aperture case; and
 - a plurality of light redirection apparatuses for directing light entering one of the first and second apertures to the camera.
- 15 3. The electronic device of claim 2 wherein the first panel comprises a portion of the second panel.
- 20 4. The electronic device of claim 2 wherein the second panel further comprises a lens for allowing light to enter when the moveable assembly is in the second position, the lens being one of flat, curved and prismatic.
- 25 5. The electronic device of claim 4 wherein the lens is adjustable for altering the size of an image captured via the lens.
- 30 6. The electronic device of claim 2 wherein one or more of the plurality of light redirection apparatuses is curved.

7. The electronic device of claim 2 wherein when the moveable assembly is in the first position light is blocked from entering the second aperture and when the moveable assembly is in the second position light is blocked from entering the first aperture.

8. The electronic device of claim 2 wherein at least one of the plurality of light redirection apparatuses is attached to the moveable assembly.

10 9. The electronic device of claim 2 wherein the camera is operable to correct an image captured when the plurality of light redirection apparatuses comprises an odd number of mirrors.

10. The electronic device of claim 2 wherein the first and second apertures 15 are on opposite sides of the case.

11. The electronic device of claim 1 wherein the moveable assembly is rotatably attached to the case.

20 12. The electronic device of claim 1 wherein the camera is attached to the moveable assembly.

13. The electronic device of claim 1 wherein the moveable assembly being moveable to a third position such that when in the third position light entering from 25 multiple angles with respect to the case strikes the camera.

14. The electronic device of claim 1 further comprising a sensor for determining a position of the moveable assembly.

15. A method for operating an electronic device having a light sensitive device and a case with multiple openings for receiving light comprising:
positioning a moveable assembly so light entering from a first angle relative to
5 the case falls on an input portion of the light sensitive device;
repositioning the moveable assembly so light entering from a second angle
relative to the case falls on the input portion of the light sensitive device; and
converting to an electronic form information conveyed by said light entering
one of the first and second angles and falling on the input portion of the light sensitive
10 device.

16. The method of claim 15 further comprising:
determining the position of the moveable assembly.

15 17. The method of claim 15 further comprising:
repositioning the moveable assembly so light entering both the first and angles
falls on the input portion of the light sensitive device.

18. The method of claim 15 further comprising:
20 substantially blocking light from entering at the second angle when the
moveable assembly is positioned for light entering at the first angle to fall on the input
portion of the light sensitive device.

19. A wireless communication device with a camera arranged and constructed for taking pictures from multiple angles with respect to the wireless communication device comprising:
 - 5 a case;
 - a moveable assembly moveably coupled to the case, the moveable assembly having a first position and a second position; and
 - a camera coupled to one of the case and the moveable assembly;
 - whereby when the moveable assembly is in the first position light entering at a
 - 10 first angle strikes the camera and when the moveable assembly is in the second position light entering at a second angle strikes the camera.
20. The wireless communication device of claim 19 further comprising a sensor for determining the position of the moveable assembly.
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21. The wireless communication device of claim 19 wherein the moveable assembly further comprises one or more light redirecting apparatuses for directing light to the camera and the camera is operable to correct an image captured when the one or more light redirecting apparatuses comprises an odd number of reflective surfaces.
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